



## Esco Pharma Engineers a Downflow Booth for Sampling and Sub-dividing of Raw Materials

Esco's **Downflow Booth (DFB)** was selected as the ideal unit to integrate designs to meet the client's process requirements. This project is intended for sampling and sub-division of all incoming raw materials.

The DFB comes with unidirectional/laminar, HEPA-filtered airflow that provides and maintains an ISO Class 5 environment, making it the ideal equipment base to build on. The equipment also comes with a wall-mounted glazing panel and two Human-Machine Interface (HMI) control systems - one for inside and another for outside of the booth.

Personnel and material airlock (PAL and MAL) were added to the unit to provide areas for gowning and transferring materials. The design is important for the manufacturing process as the integrated airlocks ensure separated booth entrance and exit, to ensure cleanliness in the space and mitigate any facility cross contamination on exit.

A cost-effective design was an important part of the client's project brief. To work with the budget requirements, Esco Pharma offered a fully powder-coated finish in place of the stainless steel 304 that is generally used. Additionally, the unit utilises hinged, sliding, and bi-fold doors which are more economical than a roller shuttered approach.

Overall, the design of the project guarantees a safe contained environment for the operator product, and local environment within the client's warehouse.

For more information please visit [www.escopharma.com](http://www.escopharma.com).

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